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1. (Currently Amended) A method of auditing a design process, said method comprising:

producing a library usage file for a step in a design process using design data;

grouping related statements in said library usage file according to parent-child relationships;

performing an audit by reading said library usage file and an audit rule into a quality monitor program; and

producing a report of errors in said library usage file based on said audit rule.

2. (Original) The method in claim 1, wherein said library usage file and/or said audit rule may include an OBJECT statement for a PROGRAM organized according to a parent-child relationship where said PROGRAM is said parent and said OBJECT statement is said child.

3. (Currently Amended) The method in claim ~~2~~ 1, wherein said library usage file and/or said audit rule file may include an INFO statement for an OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said INFO statement is said child.

4. (Currently Amended) The method in claim ~~2~~ 1, wherein said library usage file and/or said audit rule may include a TASK statement for an OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said TASK statement is said child.

5. (Original) The method in claim 3, wherein said INFO statement increases a reporting ability of said quality monitor program.

6. (Currently Amended) The method in claim 3, wherein said library usage file includes a library usage file INFO statement that includes a value which may be checked by said quality monitor program during said audit.

7. (Currently Amended) The method in claim 3, wherein said audit rule includes an audit rule INFO statement that may include a value checking expression used by said quality monitor program during said audit.

8. (Currently Amended) The method in claim 1, ~~wherein there is a query~~ further comprising querying for a processing mode ~~(if present)~~ for said design step using said design data and technology data;

wherein, said audit is performed by reading said library usage file, said processing mode, and an audit rule into a quality monitor program; and

wherein, said report of errors in said library usage file is based on said audit rule and said processing mode.

9. (Currently Amended) The method in claim ~~8~~ 1, wherein said audit rule may include a condition used by said quality monitor program to check said library usage file.

10. (Currently Amended) The method in claim 9, wherein said quality monitor program evaluates said condition using said processing mode to check said library usage file.

11. (Currently Amended) A method of auditing a design process, said method comprising:

producing a library usage file for a step in a design process using design data;

querying for a processing mode ~~(if present)~~ for said ~~design~~ step in said design process using said design data and technology data; and

performing an audit by reading said library usage file, said processing mode, and an audit rule into a quality monitor program,

wherein said audit rule may include a condition used by said quality monitor to check said library usage file, and

wherein said quality monitor evaluates said condition using said processing mode.

12. (Original) The method in claim 11, wherein said library usage file and/or said audit rule may include an OBJECT statement for a PROGRAM organized according to a parent-child relationship where said PROGRAM is said parent and said OBJECT statement is said child.

13. (Currently Amended) The method in claim ~~12~~ 11, wherein said library usage file and/or said audit rule file may include an INFO statement for an OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said INFO statement is said child.

14. (Currently Amended) The method in claim ~~12~~ 11, wherein said library usage file and/or said audit rule may include a TASK statement for an OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said TASK statement is said child.

15. (Original) The method in claim 13, wherein said INFO statement increases a reporting ability of said quality monitor program.

16. (Currently Amended) The method in claim 13, wherein said library usage file includes a library usage file INFO statement that includes a value which may be checked by said quality monitor program during said audit.

17. (Currently Amended) The method in claim 13, wherein said audit rule includes an audit rule INFO statement that may include a value checking expression used by said quality monitor program during said audit.

18. (Currently Amended) A method of auditing a design process, said method comprising:

producing a library usage file for a step in a design process using design data; and

performing an audit by reading said library usage file and an audit rule into a quality monitor program,

wherein said library usage file includes ~~an~~ a first INFO statement that has a value which may be checked by said quality monitor program during said audit, and

wherein said audit rule includes a second INFO statement which may include a value checking expression used by said quality monitor program during said audit.

19. (Original) The method in claim 18, wherein said library usage file and/or said audit rule may include an OBJECT statement for a PROGRAM organized according to a parent-child relationship where said PROGRAM is said parent and said OBJECT statement is said child.

20. (Currently Amended) The method in claim ~~19~~ 18, wherein said library usage file and/or said audit rule file may include ~~an~~ third INFO statement for ~~an~~ said OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said third INFO statement is said child.

21. (Currently Amended) The method in claim ~~19~~ 18, wherein said library usage file and/or said audit rule may include a TASK statement for an OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said TASK statement is said child.

22. (Currently Amended) The method in claim 20, wherein said third INFO statement increases a reporting ability of said quality monitor program.

23. (Currently Amended) The method in claim 18, ~~wherein there is a query~~ further comprising querying for a processing mode ~~(if present)~~ for said design step using said design data and technology data;

wherein, said audit is performed by reading said library usage file, said processing mode, and an audit rule into a quality monitor program; and

wherein, said report of errors in said library usage file is based on said audit rule and said processing mode.

24. (Currently Amended) The method in claim ~~23~~ 18, wherein said audit rule may include a condition used by said quality monitor program to check said library usage file.

25. (Currently Amended) The method in claim 24, wherein said quality monitor program evaluates said condition using said processing mode to check said library usage file.

26. (Currently Amended) A ~~program storage device readable by machine tangibly embodying a program of instructions executable by said machine~~ computer-readable medium containing computer-readable instructions when executed for performing a method of auditing a design process, said method comprising:

producing a library usage file for a step in a design process using design data;

grouping related statements in said library usage file according to parent-child relationships;

performing an audit by reading said library usage file and an audit rule into a quality monitor program; and

producing a report of errors in said library usage file based on said audit rule.

27. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim 26, wherein said library usage file and/or said audit rule may include an OBJECT statement for a PROGRAM organized according to a parent-child relationship where said PROGRAM is said parent and said OBJECT statement is said child.

28. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim ~~27~~ 26, wherein said library usage file and/or said audit rule file may include an INFO statement for an OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said INFO statement is said child.

29. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim ~~27~~ 26, wherein said library usage file and/or said audit rule may include a TASK statement for an OBJECT organized according to a parent-child relationship where said OBJECT is said parent and said TASK statement is said child.

30. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim 28, wherein said INFO statement increases a reporting ability of said quality monitor program.

31. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim 28, wherein said library usage file includes a library usage file INFO statement that includes a value which may be checked by said audit.

32. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim 28, wherein said audit rule includes an audit rule INFO statement that may include a value checking expression used by said quality monitor program during said audit.

33. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim 26, ~~wherein there is a query~~ further comprising querying for a processing mode ~~(if present)~~ for said design step using said design data and technology data;

wherein, said audit is performed by reading said library usage file, said processing mode, and an audit rule into a quality monitor program; and

wherein, said report of errors in said library usage file is based on said audit rule and said processing mode.

34. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim ~~33~~ 26, wherein said audit rule may include a condition used by said quality monitor program to check said library usage file.

35. (Currently Amended) The ~~program storage device~~ computer-readable medium in claim 34, wherein said quality monitor program evaluates said condition using said processing mode to check said library usage file.

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36. (Currently Amended) A computerized design system for performing a method of auditing a design process, said method comprising:

producing a library usage file for a step in a design process using design data; and

grouping related statements in said library usage file according to parent-child relationships;

performing an audit by reading said library usage file and an audit rule into a quality monitor program; and

producing a report of errors in said library usage file based on said audit rule.

37. (Original) The computerized design system in claim 36, wherein said library usage file and/or said audit rule may include an OBJECT statement for a PROGRAM organized according to a parent-child relationship where said PROGRAM is said parent and said OBJECT statement is said child.

38. (Currently Amended) The computerized design system in claim 36, wherein said library usage file and/or said audit rule may include an ~~OBJECT~~ INFO statement for a ~~PROGRAM~~ OBJECT organized according to a parent-child relationship where said ~~PROGRAM~~ OBJECT is said parent and said ~~OBJECT~~ INFO statement is said child.

39. (Currently Amended) The computerized design system in claim ~~37~~ 36, wherein said library usage file and/or said audit rule may include a TASK statement for an OBJECT organized

according to a parent-child relationship where said OBJECT is said parent and said TASK statement is said child.

40. (Original) The computerized design system in claim 38, wherein said INFO statement increases a reporting ability of said quality monitor program.

41. (Currently Amended) The computerized design system in claim 38, wherein said library usage file includes a library usage file INFO statement that includes a value which may be checked by said quality monitor program during said audit.

42. (Currently Amended) The computerized design system in claim ~~38~~ 36, wherein said audit rule includes an audit rule INFO statement that may include a value checking expression used by said quality monitor program during said audit.

43. (Currently Amended) The computerized design system device in claim 36, wherein ~~there is a query~~ further comprising querying for a processing mode ~~(if present)~~ for said design step using said design data and technology data;

wherein, said audit is performed by reading said library usage file, said processing mode, and an audit rule into a quality monitor program; and

wherein, said report of errors in said library usage file is based on said audit rule and said processing mode.

45. (Currently Amended) The computerized design system in claim 44, wherein said quality monitor program evaluates said condition using said processing mode to check said library usage file.